

REMARKS

The present remarks are supplemental to the amendments and remarks presented in the Amendment filed on December 23, 2009. In that Amendment filed December 23, 2009 Applicant added new claims 36-45 for examination, and applicants wish to provide the enclosed supplemental comments to clarify support for the features in those new claims.

As to new claim 40, applicant submits the limitation “weighting image data with respect to a color of respective of the plurality of pixels, said image data generating a signal which is to be impressed to the respective pixels of the EL display apparatus” is supported by the original specification at, for example, page 321, line 21 to page 322, line 19 and page 320, lines 11-14.

That disclosure supports aggregating weighted image data by using the summation circuit 844 and varying the reference current based on the results of the aggregating of the weighted image data.

The relationship between the reference current and the current passed through the EL element and the relationship between the current passed through the EL element and the emission brightness of the EL element are also supported by, for example, page 276, lines 19-22; page 314, lines 6-10; and page 313, line 23 to page 314, line 10. Accordingly, support is also provided for aggregating weighted image data by using the summation circuit 844 and varying the current passed through the EL element or the emission brightness of the EL element by varying the reference current based on the results of the aggregating of the weighted image data.

Meanwhile, the value of the reference current controls or decides the maximum value of the current passing the EL element or the maximum value of the emission brightness of the EL element.

Accordingly, applicants submit the limitation “weighting image data with respect to color of respective of the plurality of pixels, said image data generating a signal which is to be impressed to the respective pixels of the EL display apparatus, aggregating said weighted image data,” can vary the emission brightness of the EL element by varying the value of the reference current based on the results of the aggregating of said weighted image data. Therefore, when the number of gradation is maximum, the current passes the EL element and the emission brightness of the EL element reaches the maximum value.

The above-mentioned matter is also described in the specification at, for example, page 340, line 19 to page 344, line 2.

Moreover, applicant submits the features in new claim 40:

when said results of said aggregating of said weighted image data are defined as A and B respectively and predetermined value is defined as C, in the case that a relation of $C \geq A$, $C \geq B$ and $A \geq B$ is satisfied,

a maximum value of current that flows in the EL element of said pixel or a maximum value of emission brightness of the EL element of said pixel when the result is B is set more greatly than a maximum value of current that flows in the EL element of aid pixel or a maximum value of emission brightness of the EL element of said pixel when the result is A[,]

are supported by, for example, Figures 91, 92 and 93. In Figure 91, each value of “A” and “C” of claim 40 is shown as 1/100 and the value of “B” of claim 40 is shown as 1/1000.

With the above-mentioned features, the invention of claim 40 has practical effects, for example being able to perform expansion of the dynamic range for displaying of image, to offer the high quality display and low power consumption.

New claim 41 is supported by, for example, Figures 89-92 showing each reference current is varied based on total data/maximum value, which corresponds to “said results of said aggregating of said weighted image data”.

New claim 42 is supported by, for example, the specification at page 349, lines 9-17 and page 347, lines 7-9.

New claim 43 is supported by, for example, Figure 113, and the specification at page 48, lines 1-5; page 48, line 24 to page 49, line 2; and page 303, line 23 to page 304, line 17.

New claims 36, 39 and 44 are supported by, for example, Figure 113 and the specification at page 43, lines 8-9.

New claims 37, 39 and 45 are supported by, for example, Figures 125 and 126.

The above-noted comments are believed to clarify support for new Claims 37-45. In conjunction with the claim amendments and comments presented in the Amendment filed December 23, 2009, the present application is believed to be in condition for allowance, and it is respectfully requested that this case be passed to issue.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, L.L.P.



Eckhard H. Kuesters
Attorney of Record
Registration No. 28,870

Customer Number
22850

Tel: (703) 413-3000
Fax: (703) 413 -2220
(OSMMN 08/09)

Surinder Sachar
Registration No. 34,423